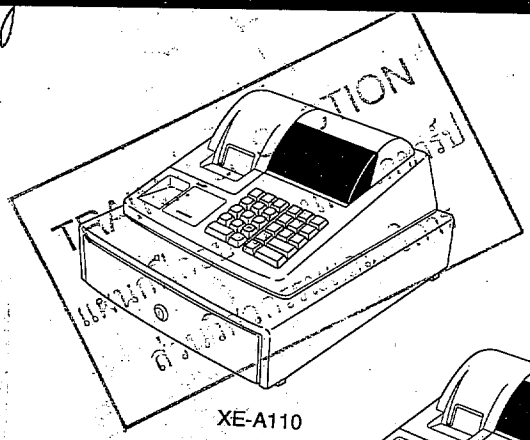
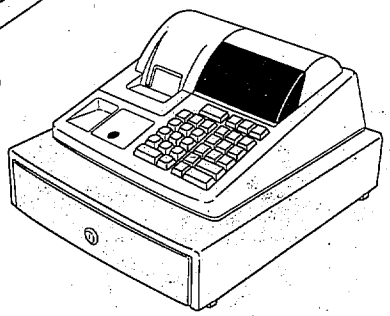
SHARP PROGRAMMING MANUAL

CODE: 00ZXEA110VPME



XE-A110



XE-A130

ELECTRONIC CASH REGISTER

XE-A110
MODEL XE-A130

SRV KEY : Not necessary
(For "V" version)

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SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

1. MASTER RESET

Master reset: Clears all the memories and initializes each preset parameter.

Master reset should be performed by using the following procedure.

1. Turn off the power (Power OFF). (See Note 1.)
2. Disconnect the ECR memory buck up battery.
3. Turn the mode switch any position of Power-off.
4. Turn on the power (Power ON). (See Note 2.)

When the master reset is completed, the buzzer sounds intermittently three times.

5. Attach the memory buck up battery to the ECR.

The master reset can also be accomplished in the following case. (See Note3.)

Note 1) Power OFF: Means stopping the AC power supply to the machine.
(Specifically, unplugging the machine.)

Note 2) Power ON: Means supplying the AC power to the machine.
(Specifically, plugging in the machine.)

Note 3) In case power failure occurs when the machine has no battery attached to it, the master reset operation is automatically performed after the power has been restored.
(This is because if power failure occurs with no battery attached to the machine, all the memory is lost and the machine does not work properly after power recovery; this requires the master reset operation.)

2. PROGRAMMINGS

- Mode

Programming jobs can be executed at Z-mode.
Programming report can be printed at Z-mode.

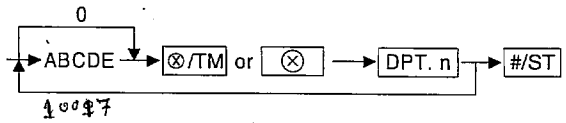
- Programming

The programming key operation sequence differs from one function to another and is therefore described for each programming operation.
Programming result is not printed at the end of each programming job.
When the first programming job is executed, the ECR displays "P".
And when the SUBTOTAL key is pressed after some programming jobs are done, programming report is issued and the displayed "P" disappears.

Price programming for dept. key

YYYYY: Unit price (Max. 5 digits)
MRS = 0.00

Dept. function programming



A:

Sign	A
+	0
−	1

B:

SICS/Normal	B
Normal	0
SICS	1

∗ SICS = Single item cash sale

C:

Taxable 2	B
No	0
Yes	1

D:

Taxable 1	D
No	0
Yes	1

E:

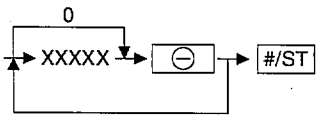
Limitation	E
Limitation	0 ~ 7

∗ Limitation = 0 ~ 7 (HALO) 0 = Open price registalation inhibit.

MRS = XE-A110
DEPT. 1 ~ 4: +Sign/Normal/Taxable 1/7 Digits = 00017

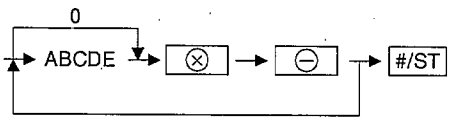
MRS = XE-A130
DEPT. 1 ~ 5: +Sign/Normal/Taxable 1/7 Digits = 00017

Price & modify programming for ⊖ key (Only XE-A130)



XXXXX : Unit price (Max 5 digits)
MRS = 0.00

⊖ function programming (Only XE-A130)



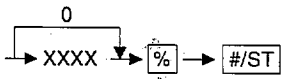
A, B, C, D: Not used (Fixed at "0000")

E:

Limitation	E
Limitation	0 ~ 7

Limitation : 0 ~ 7 (HALO) 0: Open price registration inhibit.
MRS = 7 digits

Programming rate for %key



XXXX : 0.01% ~ 99.99%
MRS = 0.00%

Programming for %key

→ 0 → A → ⊗/TM or ⊗ → % → #/ST

A:

Sign	A
+	0
—	1

MRS = –Sign

VAT rate & Lower TAX limitation programming

→ 9 → #/ST → A → ⊗/TM or ⊗ → XXXXXX → TL/AT/NS
DECLARATION OF TAX % TAX RATE

A: Tax 1 programming = 1
Tax 2 programming = 2

% tax rate: 0.0000% to 99.9999%
Lower tax limitation: 0 to 99999

MRS = 0.0000%, 0

Consecutive number setting

→ XXXX → ⊗/TM or ⊗ → #/ST

XXXX : Consecutive no. = 0000 to 9999 (4 digits)
MRS = 0000

Date setting

→ XXYYZZ → #/ST

XXYYZZ : Date (Year-month-day/Day-month-year/Month-day-year)
the date format depends on job No.1.
MRS = 010100 (month-day-year)

Time setting

→ XXYY → #/ST

XX : Hour (00 to 11 or 00 to 23)
YY : Minute (00 to 59)

The hour format depends on job No. 1.

MRS = 0000

Others programming

→ 1 → #/ST → 0 → ABCDEFGH → #/ST

A:

Date format	A
Month/Day/Year	0
Day/Month/Year	1
Year/Month/Day	2

B:

Time format	B
12H	0
24H	1

C:

TAB	C
0	0
0.0	1
0.00	2
0.000	3

D:

Receipt No. reset at Z report issue	D
No	0
Yes	1

E:

Amount tender compulsory	E
No	0
Yes	1

F:

Sub total compulsory	F
No	0
Yes	1

G:

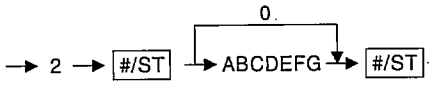
Limitation (HALO) of Miscellaneous key	G
0 ~ 8 digit	0 ~ 8

H:

Fractional treatment	H
Rounding	0
Raising	1
Discarding	2

MRS = 11200080

Print format programming



A:

TAX system	A
Manual VAT	0
Auto VAT	1

B:

Print in REG mode	B
Print	0
Not print	1

C:

Print format	C
Journal	0
Receipt	1

D:

Date print	D
Print	0
Not print	1

E:

Time print	E
Print	0
Not print	1

F:

Consecutive No. print	F
Print	0
Not print	1

G:

Taxable subtotal	G
Print	0
Not print	1

H:

Merchandise subtotal by "#/ST" key	H
Print	0
Not print	1

MRS = 00000001

Secret code programming

→ XXXX → ⊗/TM or ⊗ → TL/AT/NS
SECRET CODE

MRS = 0000

3. PRINTING OF PROGRAM REPORTS

Key entry	Report name
#/ST	General programmed data report

① XE-A110

```
1234567891011121 3
      1006 1          SICS/NORMAL, TAX STATUS, HALO, DEPT. CODE
     10.75            +/-SIGN. UNIT PRICE
      0104 2
     -3.00
      1107 3
     13.00
      0006 4
   -123.56
    -10.00  %         +/- SIGN, RATE for %

      #9999           SECRET CODE

  00000000#1          OTHERS PROGRAMMING
  00000000#2          PRINT PROGRAMMING

    6.0000 1TX        RATE for TAX1
    4.0000 2TX

    12-31-95
  0001#23-59
```

② XE-A130

```
43210987654321
        1007          SICS/NORMAL, TAX STATUS, HALO
     1#10.75          +/-SIGN. UNIT PRICE
        0104
     2#-3.00
      .
      .
        1106
     5#-123.56
           7          HALO for (-)
       -1.25 -        UNIT PRICE for (-)

      -10.00%         + /- SIGN, RATE for %

       #9999          SECRET CODE

    00000000*1        OTHERS SELECT
    00000000*2        PRINT SELECT

      6.0000TX1       RATE for TAX1
      4.0000TX2

      31-12-95
    0001#23-59
```

4. X/FLASH, Z/PGM REPORTS

X/Z reports: These reports are taken by the supervisor or manager in order to check and report daily sales totals at that point.

Flash-read reports: These reports are taken by the owner or manager in order to check and display daily sales totals at that point.

In the table below those reports marked with a circle "O" can be printed by the standard machine and those marked with an asterisk "*" can be printed when the corresponding option is added.

REPORT NAME	KEY ENTRY	MODE		DATA FOR READING	REMARKS
		X/FLASH	Z/PGM		
GENERAL	TL/AT/NS	O	O	Secret Code	*2
GENERAL with GT RESET	CH		O	Secret Code	*2
DEPT	DEPTn	O			*1
SALES TOTAL	#/ST	O			*1
CID	CR	O			*1

* 1 Reading display only

* 2 Only Z-report needs the secret code.

KEY SEQUENCE

→ XXXX → [TL/AT/NS] →
SECRET CODE

or

→ XXXX → [CH] →
SECRET CODE

When the secret code is "0000", the entry of secret code is not necessary.

SHARP

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